Determinants of renal microvascular reactivity in rat models of diabetes mellitus and obesity

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List of publications

Full papers

1. Westenbroek C, Ter Horst GJ, Roos MH, Kuipers SD, Trentani A, den Boer JA: Gender-specific effects of social housing in rats after chronic mild stress exposure. Prog.Neuropsychopharmacol. Biol.Psychiatry 27:21-30, 2003
2. Sgoifo A, Buwalda B, Roos M, Costoli T, Merati G, Meerlo P: Effects of sleep deprivation on cardiac autonomic and pituitary-adrenocortical stress reactivity in rats. Psychoneuroendocrinology 31(2):197-208, 2005
3. Roos MH, van Rodijnen WF, van Lambalgen AA, ter Wee PM, Tangelder GJ: Renal microvascular constriction to membrane depolarization and other stimuli: pivotal role for rho-kinase. Pflugers Arch. 452(4):471-7, 2006
4. Roos MH, van Rodijnen WF, ter Wee PM, Tangelder GJ: Diabetes impairs the renal microvascular myogenic response more easily in rats from breeders selected for large litters. Submitted, 2006
5. Roos MH, van Rodijnen WF, Eringa EC, Van Wijhe MH, ter Wee PM, Tangelder GJ: Increased production of thromboxane A_2 via the Cox-2 pathway contributes to normal renal microvascular responsiveness to angiotensin II in experimental diabetes. Submitted, 2006
6. Roos MH, van Rodijnen WF, ter Wee PM, Tangelder GJ: Restoration of attenuated preglomerular microvascular reactivity to angiotensin II in experimental type 1 diabetes mellitus by aselective COX-inhibition. Submitted, 2006
7. Roos MH, van Rodijnen WF, van Lambalgen AA, ter Wee PM, Tangelder GJ: Pre- and postglomerular basal diameter changes and reactivity to angiotensin II in obese rats. Submitted, 2006

Published abstracts

1. Roos MH, van Rodijnen WF, van Lambalgen AA, ter Wee PM, Tangelder GJ: Role of the RhoA/Rho kinase pathway in renal microvascular responses to angiotensin II. The FASEB Journal 17(4):A53, 2003
2. Roos MH, van Rodijnen WF, van Lambalgen AA, ter Wee PM, Tangelder GJ: Influence of the level of hyperglycaemia on renal microvasculature reactivity during experimental diabetes mellitus type 1. Nieuwsbrief 7(1):70, 2004
3. Roos MH, van Rodijnen WF, van Lambalgen AA, ter Wee PM, Tangelder GJ: Altered microvascular reactivity to angiotensin II cannot account for the preglomerular vasodilatation and proteinuria found in euglycemic obese Zucker rat.The FASEB Journal 19(4):A583, 2005